

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101818\
 Data File : VR026140.D
 Acq On : 18 Oct 2018 18:26
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 2:34:54 PM

Quant Time: Oct 19 05:22:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 04:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	563680	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	507396	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	202730	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	173970	3.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.60%
7) Chloroethane-d5	2.63	69	179695	4.24	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	3.63	63	486803	4.02	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.40%
20) 2-Butanone-d5	6.59	46	240265	59.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.64%
24) Chloroform-d	7.20	84	365106	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	7.89	65	159935	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	7.85	84	663001	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
36) 1,2-Dichloropropane-d6	8.90	67	189097	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	9.97	98	618542	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	10.24	79	43742	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	10.59	63	208649	65.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.88%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	91476	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	137954	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	156524	4.134	ug/L 98
3) Chloromethane	2.01	50	296639	4.934	ug/L 99
5) Vinyl chloride	2.17	62	265477	4.432	ug/L 97
6) Bromomethane	2.52	94	168289	4.254	ug/L 90
8) Chloroethane	2.66	64	176138	4.746	ug/L 98
9) Trichlorofluoromethane	2.93	101	437271m	5.057	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	256873	4.983	ug/L 98
12) 1,1-Dichloroethene	3.65	96	264375m	4.823	ug/L
13) Acetone	3.70	43	226534	54.106	ug/L 99
14) Carbon disulfide	3.94	76	634094	4.425	ug/L 97
15) Methyl Acetate	4.19	43	58773	5.374	ug/L 99
16) Methylene chloride	4.40	84	233985	4.707	ug/L 96
17) Methyl tert-butyl Ether	4.89	73	240578	4.834	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	196834	4.748	ug/L 95
19) 1,1-Dichloroethane	5.69	63	367935	4.728	ug/L 99
21) 2-Butanone	6.69	43	270651	56.034	ug/L 96
22) cis-1,2-Dichloroethene	6.67	96	198105	5.052	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	53115	4.829	ug/L	92
25) Chloroform	7.23	83	376091	4.952	ug/L	99
27) 1,2-Dichloroethane	7.99	62	188403	5.067	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	315756	4.554	ug/L	98
30) Cyclohexane	7.51	56	334714	4.809	ug/L	99
31) Carbon tetrachloride	7.63	117	276128	4.380	ug/L	97
33) Benzene	7.91	78	910191	4.781	ug/L	100
34) Trichloroethene	8.71	95	220871	4.533	ug/L	99
35) Methylcyclohexane	8.95	83	347495	4.790	ug/L	98
37) 1,2-Dichloropropane	8.99	63	198395	4.939	ug/L	99
38) Bromodichloromethane	9.28	83	212637	4.922	ug/L #	98
39) cis-1,3-Dichloropropene	9.72	75	214363	4.663	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	690487	56.288	ug/L	100
42) Toluene	10.04	91	977962	4.867	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	148050	4.609	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	85047	5.020	ug/L	96
47) Tetrachloroethene	10.51	164	149148	4.286	ug/L	93
48) 2-Hexanone	10.63	43	466491	58.224	ug/L	99
49) Dibromochloromethane	10.79	129	94531	4.958	ug/L	94
50) 1,2-Dibromoethane	10.89	107	73081	4.993	ug/L	88
51) Chlorobenzene	11.32	112	534247	4.803	ug/L	100
52) Ethylbenzene	11.39	91	1149097	4.973	ug/L	99
53) m,p-Xylene	11.50	106	413934	4.917	ug/L	94
54) o-Xylene	11.83	106	390329	5.057	ug/L	99
55) Styrene	11.84	104	628603	5.291	ug/L	99
56) Isopropylbenzene	12.13	105	1089023	5.080	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	90145	5.235	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	65850	5.208	ug/L	97
61) Bromoform	12.01	173	29249	4.151	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	314582	4.671	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	328182	4.705	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	259630	4.803	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	9230	4.191	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	188454	4.592	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	116291	4.855	ug/L	98
69) Naphthalene	15.00	128	122341	5.260	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	85746	5.154	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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